

CLIMATOLOGICAL DATA FOR AUGUST, 1912.

DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

GENERAL SUMMARY.

The mean temperature and monthly precipitation, for the district as a whole, exceeded the normal. The sunshine was abundant and the number of rainy days averaged about normal. There was, however, a wide range in the departures from the normal of both temperature and precipitation, and where a general excess of precipitation occurred there was a corresponding deficiency of temperature. In southern New Mexico and northeastern Texas, which had decidedly heavy precipitation, the mean temperature averaged about 1° below the normal, while in southwestern Texas, which had very little or no precipitation, the mean temperature was nearly 5° above the normal. Severe wind and excessive rainstorms did considerable damage in portions of northern Texas and of southern New Mexico. In the latter State most of the precipitation occurred with local thunderstorms and the monthly amounts varied greatly even at nearby stations. Generally droughty conditions prevailed in the southern and central portions of Texas which caused cotton to open rapidly and were favorable for picking, but prevented the growth of a top crop. The average number of days with 0.01 inch or more of precipitation was 8 in Colorado, 10 in New Mexico, and 5 in Texas.

The greatest and least monthly amounts of precipitation in Colorado were respectively 2.65 inches at Saguache and 0.93 inch at Manassa; in New Mexico, 7.05 inches at Berino and 0.10 inch at Los Lunas; and in Texas, 15.28 inches at Longview and a trace only at 8 stations, while at 15 other stations, nearly all in southwestern Texas, there was none. Excessive precipitation of 2.50 inches or more in 24 consecutive hours occurred at 1 station in New Mexico and at 20 stations in Texas, the heaviest amount reported being 6.30 inches at Brazos, Tex., on the 5th-6th.

TEMPERATURE.

The monthly mean temperature was 0.2° above the normal in Colorado, 0.7° below in New Mexico, and 1.8° above in Texas. The change of temperature from day to day was generally slight and the monthly range was less than normal. In the southwestern portion of Texas the weather was persistently warm and dry, and there were but two or three days during the entire month when the temperature did not average above the normal. In the northern and western portions of the district the heat was not so persistent and there were several warm and cool periods. The warmest days as a rule occurred from the 1st to 3d, while the coolest nights occurred on various dates. The daily range of temperature varied from 8° on the Texas coast to 37° in the northwestern portion of the district.

The highest and lowest temperatures reported were, respectively: In Colorado, 91° at Saguache on the 12th, and 26° at Hermit on the 9th; in New Mexico, 104° at Artesia on the 10th, and 32° at Winsors on the 9th, 16th,

and 19th; and in Texas, 109° at Killeen on the 15th and at San Angelo on the 2d, and 57° at Eastland on the 19th and at Marathon on the 18th. The local monthly means ranged from 50.5° to 63.9° in Colorado; from 58° to 79.8° in New Mexico; and from 74.8° to 90.6° in Texas.

PRECIPITATION.

The average precipitation for the Rio Grande watershed was 2.45 inches which is 0.31 inch under the normal amount. There was a marked excess from Carrizozo, N. Mex., to El Paso, Tex., which was more than offset by a general deficiency south of El Paso, Tex., and by a slight deficiency north of Carrizozo, N. Mex. From Del Rio, Tex., to the mouth of the stream there was very little or no precipitation.

The Rio Pecos watershed had an average rainfall of 2.49 inches, which is 0.46 inch greater than normal. The amounts were very unequally distributed, but averaged well above the normal north of Cloudcroft, N. Mex., and decidedly below the normal south of Artesia, N. Mex.

Heavy rains occurred over the Sabine and Neches watersheds, and over the upper and middle portions of the Trinity and Brazos during the first decade, and stations in these sections received from 5 to 15 inches of precipitation. The rainfall over the lower portions of the Brazos and Trinity was light and while the average for the Brazos watershed approximated the normal, there was a decided excess of precipitation over the watersheds east of the Brazos, ranging from 0.95 inch for the Neches to 5.45 inches for the Sabine. Decided shortages of precipitation occurred over the watersheds west of the Brazos, the deficiencies ranging from 0.59 inch for the Colorado to 1.87 inches for the San Antonio. The coastal plains showed a deficiency of 1.63 inches, although good rains occurred over the upper coast counties. The lower coastal plains and the Nueces watershed received little or no moisture, and decidedly droughty conditions prevailed in those sections during the entire month. The following are the monthly amounts in inches and hundredths for the various watersheds: Nueces, 0.04; San Antonio, 0.53; Guadalupe, 0.66; Lavaca, 1.82; Colorado, 1.62; Brazos, 2.49; Trinity, 3.96; Neches, 3.70; Sabine, 7.90; and coastal plains, 1.78.

RIVER CONDITIONS.

The Rio Grande and Rio Pecos had sufficient water for irrigation and for stock. Of the Texas streams those west of the Colorado were at low-water mark throughout the month. The Colorado had slight rises, but hardly sufficient to meet the demands for irrigation purposes. The Brazos, Trinity, and Sabine were well above low-water mark during the last two decades from the heavy rains earlier in the month. The Trinity attained a stage of 26.5 feet at Dallas on the 8th, which is 1.5 feet above flood stage. The Sabine was 15 to 20 feet above low-water mark from the 12th to the close of the month.

TABLE 1.—Climatological data for August, 1912. District No. 8, Texas and Rio Grande Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of 0.01 inch or more.			
Colorado.																					
Blanca.	Costilla.	7,865	3								1.54		1.05	0	5	12	14	5	sw.	Dr. L. C. Andrain.	
Cumbres.	Conejos.	10,015	5								1.25	-0.03	0.60	0	5	10	17	4	sw.	Mrs. Ida M. Lively.	
Garnett.	Costilla.	7,576	18	61.2	+ 0.3	86	26	35	67	49	1.76		1.04	0	6	17	6	8		Chas. Speiser.	
Hermit.	Hinsdale.	9,843	5	50.5		74	97	26	9	48										Marion Mason.	
La Veta Pass.	Costilla.	9,000	2																	Clara M. Wright.	
Manassa.	Conejos.	7,700	6	61.6		88	26	34	8	48	0.93		0.60	0	5	8	16	7	sw.	J. B. Chapman.	
Platoro.	Saguache.	7,675	5																	Walter R. Hook.	
Saguache.	Saguache.	7,740	20	63.9	+ 1.9	91	12	36	8	50	2.65	+ 1.28	0.95	0	4	8	7	16	nw.	Eugene Williams.	
San Luis.	Costilla.	7,794	21	61.4	- 0.6	87	26	37	77	47	1.64	+ 0.05	0.50	0	9	18	12	1	sw.	B. B. Albright.	
Wagon Wheel Gap Experiment Station.	Mineral.	9,235	1	54.2	- 0.8	73	9	36	20	36	1.44	- 0.82	0.62	0	14	9	17	5	ne.	U. S. Weather Bureau.	
New Mexico.																					
Agricultural College.	Dona Ana.	3,863	51	76.6	- 2.8	100	8	59	25	40	5.04	+ 3.34	1.14	0	14	10	19	2	sw.	N. Mex. Agricultural College.	
Alamogordo (near).	Otero.	4,338	15	76.2	- 1.9	100	77	58	167	40	4.11	+ 1.74	1.35	0	9	6	13	12	sw.	Edward Le Briton.	
Alamogordo.	do.	4,320	3																	H. H. Brooks.	
Alamos Ranch.	Sandoval.	7,800	2																	Pitt Ross.	
Albuquerque.	Bernalillo.	5,000	36																	Agent E. P. & S. W. R. R.	
Ancho.	Lincoln.	6,112	3																	C. H. Brigham.	
Anchor Mine.	Taos.	10,600	1																	W. Benson.	
Artesia.	Eddy.	3,350	4	79.8		104	10	59	307	42	0.58		0.20	0	3	27	3	1	se.	J. D. Maupin.	
Aspen Grove Ranch.	Rio Arriba.	9,000	3																	Aaron Hawkins.	
Banks.	Roosevelt.																			J. W. Bateman.	
Batemans Ranch.	Rio Arriba.	8,900	3																	J. C. Rishabarger.	
Berino.	Dona Ana.	3,788	1																	Bluewater Development Co.	
Bluewater.	Valencia.	6,732	10	65.2	- 2.1	95	7	36	9	58	1.78	+ 0.12	0.64	0	9	7	22	6	3	sw.	D. C. Savage.
Bosz.	Chaves.	4,154	3	77.3		102	2	58	237	39	3.53		2.25	0	14	12	19	6	s.	Agent E. P. & S. W. R. R.	
Capitan.	Lincoln.	6,348	3																	U. S. Reclamation Service.	
Carlsbad.	Eddy.	3,120	17	79.8	- 0.1	102	9	62	167	39	1.93	- 0.23	0.53	0	10	12	17	2	se.	Agent E. P. & S. W. R. R.	
Carrizozo.	Lincoln.	5,429	4	73.3		95	3	58	17	34	4.07		0.80	0	11	7	19	5	e.	Irving C. Sweet.	
Cerrillos (near).	Santa Fe.	5,700	5																	F. C. Johnson.	
Chama.	Rio Arriba.	7,851	14	61.1	- 2.9	85	26	37	8	45	2.36	- 0.28	1.30	0	6	6	18	3	sw.	Agent E. P. & S. W. R. R.	
Cloudcroft.	Otero.	8,650	10	58.2	+ 0.2	74	87	43	16	24	6.95	+ 2.75	0.91	0	23	10	17	4	sw.	Do.	
Corona.	Lincoln.	6,666	3	68.6		90	10	50	227	36	2.55		0.61	0	9	5	25	1	sw.	Do.	
Coyote.	do.	5,800	3																	J. Vigil.	
Cundiyo.	Santa Fe.	6,889	3																	Erb & Westerman.	
Demonstration Farm.	San Miguel.	6,800	3																	Agent E. P. & S. W. R. R.	
Duran.	Torrence.	6,272	3	71.9		92	27	54	57	36	1.75		0.80	0	6	11	23	2	se.	Do.	
Escondida.	Otero.	4,014	3																	Mrs. E. F. McBride.	
Espanola.	Rio Arriba.	5,590	14	69.8	- 1.4	94	12	44	7	47	1.10	- 0.60	0.31	0	8	18	9	4	s.	George H. Van Stone.	
Estancia.	Torrence.	6,140	7																	U. S. Sanitarium.	
Fort Stanton.	Lincoln.	6,231	35	68.0	+ 0.8	91	97	48	22	40	4.90	+ 1.36	1.75	0	19	5	20	6	sw.	Peter Yockey.	
Fort Sumner.	Guadalupe.	3,960	4	75.7		102	11	54	247	42	1.69		0.54	0	10	7	19	5	sw.	Agent E. P. & S. W. R. R.	
Gallinas.	Lincoln.	6,655	3																	U. S. Forest Service.	
Gallinas Planting Sta.	San Miguel.	7,500	5	63.4 ^a		86	11	44	16	40	3.76		1.23	0	11	12	16	3	sw.	C. M. Crossman.	
Glorietta Ranch.	Socorro.	5,700	2																	R. B. Schoonmaker.	
Harveys Upper Ranch.	San Miguel.	9,400	3	58.0		78	11	40	9	36	4.79		1.54	0	15	10	12	9	e.	Dr. F. I. Givens.	
Hillsboro.	Sierra.	5,224	14																	A. J. Armstrong.	
Hodges.	Taos.	8,484	2																	U. S. Reclamation Service.	
Hondo Reservoir.	Chaves.	3,904	3	77.2		100	10	57	23	37	2.29		0.44	0	12	11	15	5	s.	Mrs. L. L. Shields.	
Jemez Springs.	Sandoval.	6,100	2	67.4		88	9	51	97	37	2.01		0.62	0	10	13	11	7	sw.	J. W. Mosley.	
Knowles (near).	Eddy.	4,300	2	78.6		100	107	58	24	38	1.29		0.32	0	10	7	23	1	se.	Gus Weiss.	
Laguna.	Valencia.	5,840	7	73.0		98	9	50	9	48	4.50		1.50	0	1					P. A. Turnbull.	
Lagunita.	Guadalupe.	4,500	7	73.0		96	12	48	16	37	2.05		0.65	0	9	14	10	7	sw.	Wm. F. Keil.	
Lake Valley.	Sierra.	5,412	7																	Mrs. Josephine K. Boyd.	
Lakewood.	Eddy.	3,170	7			99	29													N. Mex. Normal University.	
Las Vegas.	San Miguel.	6,355	25	65.2	- 2.5	89	2	45	7	42	4.20	+ 0.94	0.92	0	14	22	5	4	sw.	H. G. Liston.	
Liston.	Chaves.	5,000	2																	R. Pohl.	
Los Lunas (near).	Valencia.	4,900	23	72.4	- 1.6	97	67	51	8	46	10.10	- 0.97	0.10	0	1	6	23	2	sw.	Wm. Pender.	
Magdalena.	Socorro.	6,557	7	68.0		93	87	48	21	37	4.15		0.52	0	15	8	21	2	w.	Rev. R. H. Harper.	
Mescalero.	Otero.	6,627	1	64.6		88	97	48	87	39	5.75		1.28	0	19	9	12	10	sw.	W. M. Nelson.	
Mineral Hill.	San Miguel.	7,050	7																Agt. E. P. & S. W. R. R.		
Monterey.	Otero.	4,436	3			98	9	61	19	39	3.44		1.45	0	9	15	14	2	sw.	Miss Julia Hill.	
Mountainair.	Torrence.	6,547	10	69.5	+ 0.8	93	9	46	23	41	1.62	- 1.04	0.24	0	13	11	16	6	sw.	Agt. E. P. & S. W. R. R.	
Newman.	Otero.	3,989	3			102	9													Do.	
Noria.	Dona Ana.	4,114	3																	E. F. Jones.	
Orogrande.	Otero.	4,171	3																A. M. Hove.		
Oscuro.	Lincoln.	5,016	3																Otto Goetz.		
Otis.	Eddy.	3,100	3																G. C. Ellis.		
Otto.	Santa Fe.	6,200	3																L. P. Adair.		
Pastura.	Guadalupe.	5,285	3			100	10	58	157	29	2.29		1.00	0	8	12	19	0	sw.	Mrs. L. R. Penn.	
Placitas (near).	Bernalillo.	5,000	1	61.7		80	27	43	157	36	4.59		1.10	0	13	11	20	0	w.	C. H. Raitt.	
Plainview.	Chaves.	4,300	1																U. S. Reclamation Service.		
Red River Canyon.	Taos.	8,956	5	63.6		90	5	34	247	44	1.70		0.50	0	6	17	13	1	e.	Rev. A. C. Heyman.	
Rincon.	Dona Ana.	4,030	18	76.4	- 1.6	101	8	55	9	41	2.79	+ 0.08	0.89	0	6	1	23	7	sw.	Mrs. J. J. McIness.	
Rio Grande Dam.	Sierra.	4,265	22	77.6	+ 0.8	102	87	58	23	36	3.08	+ 0.49	1.65	0	8	10	14	7	sw.	U. S. Weather Bureau.	
Rio Grande Industrial School.	Bernalillo.	5,000	1	71.7		96	67	48	97	48	0.58		0.25	0	5</						

TABLE 1.—Climatological data for August, 1912. District No. 8—Continued.

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				Mean.	Departure from the normal.			Total.	Departure from the normal.			Total.	Number of rainy days, 0.01 inch or more.			Prevailing wind direction.			
					Highest.	Date.	Lowest.		Date.	Greatest daily range.	Departure in 24 hours.		Total snowfall unmelted.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Texas—Continued.																			
Henderson.	Rusk.	500	3														M. Kangerga.		
Hewitt.	McLennan.	664	17														I. H. Earle.		
Hico.	Hamilton.	1															John A. Eakins.		
Hillsboro.	Hill.	628	9	86.1	103	22	65	6†	34	3.50	5.25	3.60	0	7	8	s.	W. G. Escott.		
Hondo.	Medina.	901	13	87.1	102	1	72	28	27	0.25	—1.42	2.40	0	5	1	se.	H. E. Haass.		
Houston.	Harris.	138	22	83.6	+ 0.7	96	22	70	17	2.59	+ 0.25	1.34	2.12	0	11	6	17	U. S. Weather Bureau.	
Huntsville.	Walker.	400	28	83.4	+ 0.2	99	2	63	6	27	3.22	—0.06	1.32	2.00	2	21	0	10	W. Y. Barr.
Jayton.	Kent.	2															Wichita Valley Ry. Co.		
Jewett.	Leon.	496	8	85.6	104	28	62	21	39	0.80	5.01	2.70	0	7	15	9	7	s.	
Junction.	Kimble.	1,645	11	86.0	104	3†	68	5	34	0.00	3.26	1.04	0	4	18	10	3	Earle Adkisson.	
Kaufman.	Kaufman.	448	13	84.4	— 0.6	103	3	65	6	3.35	+ 0.60	1.88	0.00	0	28	2	1	Judge John S. Durst.	
Kerrville.	Kerr.	1,650	16	84.2	+ 3.3	101	1	63	28	35	0.16	+ 1.70	0.16	0	3	18	9	4	B. J. Hubbard.
Killeen.	Bell.	88.8		109	15	69	13†	38	0.77	0.77	0	1	15	7	9	s.	Robert E. Horne.		
Knickerbocker.	Tom Green.	2,050	8	85.8	106	1†	65	10†	38	3.20	3.35	2.17	0	3	19	11	1	J. E. Root, jr.	
Kopperl.	Bosque.	576	15								+ 1.52	3.81	0	4	20	3	8	Jos. Tweedy.	
Lagrange.	Fayette.	276	2								2.48	3.27	0	5	12	11	8	T. A. Johnson.	
Lamesa.	Dawson.	2,500	2								1.10	0	7	0	0	0	0	August Hermes.	
Lampasas.	Lampasas.	1,026	20	89.0	+ 6.2	105	1	71	28†	0.91	— 0.95	0.46	0	3	24	2	5	S. D. Austin.	
La Parra.	Willacy.	38	10							0.00	— 2.27	0.00	0	0	0	0	0	Jno. K. I. Webber.	
Laureles Ranch.	Nueces.	20	12														Mrs. G. Kennedy.		
Liberty.	Liberty.	38	8	81.6	95	4†	68	15	24	5.50	1.42	1.70	0	9	18	10	3	Matt Cody.	
Llano.	Llano.	1,040	21	87.9	+ 3.6	104	2	73	9†	27	0.12	— 1.23	0.06	0	2	24	7	0	Mrs. Fannie Sneed.
Llano Grande.	Hidalgo.	86	4	83.0	100	1†	65	1†	35	0.06	0.06	0	1	31	0	0	E. W. Torrence.		
Long Lake.	Anderson.	229	7								1.42	0.70	0	3	10	10	11	M. D. Wardlow.	
Longview.	Gregg.	336	26	82.2	— 1.2	98	3†	65	5	27	1.52	+ 13.44	5.81	0	6	21	1	9	Geo. W. Ellis.
Lubbock.	Lubbock.	1									2.37	0.79	0	9	20	6	6	C. A. Propst.	
Lufkin.	Angelina.	325	5	83.0	100	11	65	5†	28	3.09	0.53	+ 3.75	0.55	0	9	17	7	A. L. Paschall.	
Luling.	Caldwell.	418	23	87.2	+ 3.2	102	3†	74	13†	27	0.46	— 1.47	0.20	0	3	14	12	5	T. A. King.
McGregor.	McLennan.	713	2								0.00	0.00	0	0	28	3	0	John Carter.	
McKinney.	Collin.	612	10	81.4	101	2	63	5	28	5.53	+ 3.75	2.29	0	8	18	8	5	W. H. Whitley.	
Marathon.	Brewster.	4,043	2	74.8	95	1†	57	18	30	2.28	0.31	1.10	0	6	5	14	12	H. Killingsworth.	
Marble Falls.	Burnet.	771	4								0.80	0	3	19	5	7	Rev. A. P. Willis.		
Marfa.	Presidio.	4															R. H. Cochran.		
Marshall.	Harrison.	375	11	81.0	98	3	60	5	28	8.52	+ 5.91	5.25	0	8	1	26	4	Lee Scott.	
Matagorda.	Matagorda.	12									0.99	0.26	0	5	28	3	0	W. E. McNabb.	
Mexia.	Limestone.	537	8	84.2	104	3	65	7	33	3.64	3.10	0	5	10	16	5	Mrs. Josephine Newman.		
Midland.	Midland.	5		83.8	106	1	64	10	40	1.07	0.40	0	6	11	20	0	J. Harvey Clark.		
Mission.	Hidalgo.	140	2	86.1	101	20†	71	29	29	T.	T.	0	0	12	19	0	Myron J. Conway.		
Mont Belvieu.	Chambers.	65									5.49	1.19	0	10	2	26	3	A. R. Shearer.	
Mount Blanco.	Crosby.	2,750	23	78.6	+ 0.6	99	1	59	30	36	4.05	+ 1.50	2.05	0	5	11	7	13	Geo. W. Smith.
Nacogdoches.	Nacogdoches.	271	13	80.6	— 1.4	96	27†	65	5	29	2.30	— 0.11	1.63	0	5	18	5	8	Miss Mary Hofmann.
New Braunfels.	Comal.	720	23	85.6	+ 3.3	99	1†	70	28	T.	2.35	T.	0	0	12	1	1	J. Giesecke.	
Palestine.	Anderson.	510	30	82.4	+ 1.9	96	21	66	6	25	0.46	— 1.76	0.42	0	3	11	18	2	U. S. Weather Bureau.
Panter.	Hood.	1,000	23								3.76	+ 1.40	2.60	0	7	0	0	E. H. Snider.	
Pearshall.	Frio.	629	2								0.00	0.00	0	0	0	0	0	Earnest De Vilbiss.	
Pierce.	Wharton.	102	6	83.8	100	21	70	15†	29	2.00	0.40	0.70	0	6	6	0	25	R. B. Pointer.	
Plainview.	Hale.	3,370	16	77.2	+ 0.4	98	23	59	7†	36	2.94	+ 0.50	0.72	0	9	14	17	0	J. F. Sander.
Port Arthur.	Jefferson.	1									4.00							Grifing Bros. Co.	
Port Lavaca.	Calhoun.	20	11	86.2	+ 2.4	98	1†	74	14	23	T.	— 3.25	T.	0	0	31	0	0	J. H. Bickford.
Post City.	Garza.	2,700	2								3.30	2.00	0	3	27	3	1	W. T. Mann.	
Putman.	Callahan.	1,591	1								T.	0	0	25	6	0	0	S. M. Davis.	
Raymondville.	Cameron.	1									3.00	1.40	0	4	28	0	3	C. H. Pease.	
Ricardo.	Nueces.	57	3								2.70	1.40	0	4	12	9	10	P. L. Shaffer.	
Riverside.	Walker.	169	8								3.00	0.40	0	0	0	0	0	Mrs. C. W. Higdon.	
Rockland.	Tyler.	136	8								2.70	1.40	0	0	0	0	0	Mack Dunkin.	
Rockport.	Aransas.	12	11	83.0	+ 0.6	89	3†	76	11†	10	0.20	— 3.08	0.20	0	1	27	3	1	Mrs. G. Grewe.
Rosselle.	Atascosa.	558	5	88.1	104	3	70	25	31	0.10	0.10	0.10	0	1	10	21	0	W. F. M. Ross.	
Runge.	Karnes.	308	17								0.00	— 1.40	0.00	0	0	5	19	7	Reifert & Frob sc.
Sabinal.	Uvalde.	964	8	86.4	105	1	72	11†	30	0.00	0.80	0.46	0	2	13	8	10	Jas. Johnston.	
Sabado.	Bell.	2									0.80	0.46	0	2	13	8	10	L. M. Crockett.	
San Angelo.	Tom Green.	1,847	21	86.8	+ 4.7	109	2	67	10	34	2.90	+ 0.01	1.50	0	3	22	4 ^a	4 ^b	Sam Crowther.
San Antonio.	Bexar.	701	27	86.0	+ 4.0	100	4	70	16	20	0.29	— 2.40	0.24	0	3	20	11	0	U. S. Weather Bureau.
San Augustine.	San Augustine.	360	3	81.6	98	20	62	5	30	2.95	0.74	0.74	0	7	10 ^a	10 ^b	10 ^c	F. A. Wilson.	
San Juanito.	Hidalgo.	3		88.8	104	4	72	19†	30	0.00	0.00	0.00	0	2	2	2	27	J. B. McAllen.	
San Marcos.	Hays.	588	19	84.9	+ 1.6	99	4	65	18	29	0.12	— 1.56	0.07	0	2	19	0	12	Miss L. C. Ford.
San Saba.	San Saba.	1,712	11	85.2	+ 1.9	105	3	65	9	31	0.39	— 0.50	0.25	0	2	23	7	1	Jas. Burns.
Santa Gertrudes.	Nueces.	12									1.23	0.94	0	5	8	12	11	J. B. Wright, jr.	
Sesly.	Austin.	201	1								0.94	0	5	8	12	11	11	O. H. Albert.	
Seymour.	Baylor.	1,320	6	84.8	103	26†	65	7	31	2.81	1.17	0	4	18	0	13	S. C. Lee.		
Snyder.	Scurry.	1		82.1	103	1	62	10	38	0.76	0.35	0	6	17	11	3	J. Allen Weaver.		
Somerville.	Burleson.	251	3	86.4	103	1†	70	17†	30	0.75	0.50	0	2	27	4	0	Ed. Herbst.		
Sonora.	Sutton.	2,200	8								1.00	0	6	14	15	2	2	H. Thiers.	
Spur.	Dickens.	2,300	1	81.4	102	2	62	9†	36	1.66	0.55	0	6	20	7	4	J. D. Reagan.		
Stamford.	Jones.	1		80.9	101	3	62	9†	30	6.95	2.42	0	6	23	5	3	H. Pratt.		
Stowell.	Chambers.	1									5.70	1.15	0	8	9	8	4	Arthur Bailey.	
Sugarland.	Fort Bend.	73	11	84.6	+ 1.9	100	4	70	17	26									

TABLE 2.—*Daily precipitation for August, 1912. District No. 8, Texas and Rio Grande Valley.*

TABLE 2.—*Daily precipitation for August, 1912. District No. 8—Continued.*

TABLE 2.—*Daily precipitation for August, 1912. District No. 8—Continued.*

* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

MONTHLY WEATHER REVIEW.

AUGUST, 1912

TABLE 3.—Maximum and minimum temperatures for August, 1912. District No. 8, Texas and Rio Grande Valley.

Date.	Colorado.				New Mexico.										Texas.													
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountain-air.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Springs.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	83	46	77	50	98	65	100	71	86	78	86	54	82	52	96	67	81	58	96	65	97	76	107	74	93	77	89	77
2....	82	47	81	41	97	69	100	66	85	50	81	51	82	56	96	65	85	61	97	61	98	75	105	64	94	74	88	78
3....	82	43	83	47	96	67	99	68	80	57	84	60	82	54	96	67	85	58	94	60	98	74	102	75	93	77	90	79
4....	79	47	76	49	93	69	95	65	82	53	89	54	75	54	89	64	79	55	91	66	94	73	95	71	94	76	88	78
5....	80	39	83	40	92	64	96	64	86	56	87	56	80	52	84	63	80	54	93	60	98	72	98	70	94	73	87	78
6....	79	35	83	42	97	66	101	65	88	50	90	54	85	58	92	63	83	60	97	57	96	70	99	68	93	75	89	77
7....	79	36	79	37	99	65	95	65	90	50	92	57	85	64	93	62	83	57	98	60	94	73	101	74	93	78	88	79
8....	78	38	76	37	100	60	94	67	90	52	92	51	88	60	90	61	84	54	89	59	100	70	105	75	92	77	88	80
9....	84	35	84	40	99	65	102	63	91	53	93	55	87	60	87	65	86	50	89	60	77	64	88	66	92	77	87	78
10....	84	39	84	40	99	64	101	64	91	53	92	54	85	57	97	64	84	59	99	61	96	68	105	65	90	76	88	78
11....	83	44	84	43	94	69	100	66	88	57	92	57	80	55	97	66	86	57	99	64	95	73	104	65	90	75	87	79
12....	81	44	79	51	92	66	99	65	82	54	89	59	76	56	96	69	85	59	94	70	97	76	101	73	93	77	87	97
13....	77	37	70	50	80	63	96	68	78	56	85	56	68	52	90	64	70	55	88	67	96	76	100	74	94	75	86	79
14....	70	42	71	52	83	65	87	64	75	54	83	53	70	51	87	64	69	55	76	61	96	75	99	69	94	73	85	77
15....	72	50	71	51	80	62	89	67	78	55	85	52	72	48	84	64	72	53	82	60	95	73	100	71	93	72	86	77
16....	74	41	77	43	86	62	87	62	79	50	81	50	74	50	84	65	77	52	73	59	96	74	98	73	95	74	86	78
17....	75	42	71	47	83	63	87	65	75	64	84	51	72	50	85	65	73	54	74	57	94	73	97	71	95	72	87	81
18....	80	40	73	47	84	64	88	64	74	50	82	50	74	49	88	62	77	54	89	59	96	74	98	72	94	73	87	80
19....	78	41	80	41	75	62	89	62	74	54	83	52	74	52	85	60	75	54	84	57	97	76	99	71	94	71	88	78
20....	81	45	75	40	84	65	94	65	77	52	81	48	70	50	90	63	77	51	89	58	101	72	95	73	86	78	80	
Mns..	79.7	42.8	78.5	44.4	83.6	64.5	94.6	64.9	81.9	54.0	85.8	53.2	76.6	53.5	90.5	63.4	78.8	55.6	89.9	60.8*	95.1	73.1	99.2	71.1	93.7	74.4	88.0	78.2

Date.	Texas.																											
	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	106	79	97	68	108	77	105	71	86	67	88	81	98	77	94	76	98	72	90	76	88	65	99	75	93	73	90	73
2....	101	79	95	72	105	73	105	71	97	74	88	78	101	73	90	77	96	72	94	69	94	65	98	73	93	73	97	73
3....	102	80	96	69	105	73	100	69	102	74	88	76	101	77	90	78	98	70	94	71	95	64	100	76	97	76	99	75
4....	102	80	92	68	108	78	101	66	85	74	90	79	101	77	90	76	91	75	84	72	88	63	100	78	92	69	98	74
5....	100	80	91	68	105	77	100	75	82	66	84	78	99	77	90	75	90	65	88	64	97	76	94	70	96	73	97	73
6....	100	78	97	69	105	74	99	73	74	65	87	80	98	76	93	73	90	65	81	66	88	62	99	75	93	72	86	76
7....	101	79	99	69	105	74	101	70	89	65	88	82	98	76	93	76	96	65	91	72	88	59	97	76	88	65	96	75
8....	99	78	100	75	107	78	106	72	92	73	88	83	93	77	91	77	97	73	94	74	82	67	93	76	91	70	86	75
9....	100	78	99	73	105	73	98	68	80	68	88	82	98	76	93	76	96	65	91	74	81	61	97	76	97	76	87	76
10....	98	78	98	72	103	74	104	67	92	71	87	82	100	78	91	77	98	69	86	74	94	66	98	77	93	70	98	76
11....	102	77	95	69	108	78	103	68	93	75	88	81	98	75	93	75	100	70	95	73	93	66	99	75	95	75	93	75
12....	99	77	92	67	104	78	102	69	93	75	88	82	100	76	94	76	98	73	94	74	91	60	97	75	97	76	97	75
13....	99	76	84	64	104	76	101	70	91	74	88	81	100	74	91	75	95	73	93	72	91	68	97	74	95	76	98	72
14....	99	76	84	63	105	76	92	69	93	75	88	70	98	74	93	73	90	71	91	74	90	63	96	76	98	73	96	73
15....	96	76	79	61	104	76	94	71	87	75	80	98	73	92	71	95	70	91	70	90	60	96	75	99	73	94	72	
16....	98	76	85	63	102	76	94	72	91	73	87	76	91	74	92	71	94	70	92	73	91	61	94	70	99	73	93	71
17....	97	74	83	66	104	77	91	69	90	75	88	81	96	73	98	70	94	69	92	70	91	61	97	73	91	72	97	72
18....	97	75	83	65	105	77	90	67	92	74	88	82	95	75	98	71	96	70	93	74	90	64	95	75	98	76	96	71
19....	98	75	77	65	101	76	92	66	94	76	88	82	95	75	97	70	94	72	90	74	92	61	96	74	99	73	96	73
20....	99	77	84	65	102	72	96	67	98	76	88	82	97	75	95	79	99</td											